

SEQUENCE LISTING

<110> The Government of the United States of America . .

<120> Oligonucleotide Probes for Detecting Enterobacteriaceae
and Quinolone-Resistant Enterobacteriaceae

<130> 03063-0430wp

<140>

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<150> 60/080375

<151> 1998-04-01

<160> 35

<170> PatentIn Ver. 2.0

<210> 1

<211> 589

<212> DNA

<213> *Escherichia coli*

<400> 1

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tatgacggta cggaaaaaat tccggacgtc atgccaacca aaattcctaa cctgctggtg 480
aacggttcct ccggtatcgc cgtaggtatg gcaaccaaca tcccgcgcga caacctgacg 540
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<210> 2

<211> 589

<212> DNA

<213> *Citrobacter freundii*

<400> 2

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attgttcgta tggcgcagcc attctccttg cgttacatgc tggtagatgg tcagggtaac 300
tttggttctg tcgattggcga ctccgcagcg gcgatgcgtt atacggaaat ccgtatgtcg 360
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aaaatcgccc atgagctgat ggctgacctg gaaaaagaaa cggttgattt cgtcgataac 420
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aacggttcgt ccggtatcgc ggtaggtatg gcgaccaaca ttccgccgca caacctgact 540
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<210> 3

<211> 589

<212> DNA

<213> *Enterobacter aerogenes*

<400> 3

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acacgggtca acattgagga agagctgaaa agctcgtatc tggattatgc gatgtcggtc 60
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ctatacgcca tgaacgtatt gggcaatgac tggaacaaag cctataaaaa atcagcccgt 180
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tatgacggca cggagaaaaat ccctgacgtc atgccgacaa aaatccctaa cctgctggtg 480
aacggttctt ccggtatcgc cgtaggtatg gcgaccaaca ttccgccgca taacctgacg 540
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<210> 4

<211> 589

<212> DNA

<213> *Enterobacter cloacae*

<400> 4

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acaccggtta acatcgagga agagctgaag agctcctatc tggactatgc gatgtcggtc 60
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ctatacgcca tgaacgtatt gggcaatgac tggaataaag cctacaaaaa atctgcccgt 180
gtcgttgggtg acgtaatcgg taaataccat ccccatggtg attccgcggt gtacgacacc 240
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tacgatggca cggaaaaaat tcctgacgtc atgccaacga agatccctaa cctgctggtg 480
aacggttcgt ccggtatcgc cgtagggatg gcgaccaaca ttccgccgca caacatcacc 540
gaagtgatca acggctgcct ggcctatatc gacgatgaag acatcagca 589

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<210> 5

<211> 589

<212> DNA

<213> *Klebsiella oxytoca*

<400> 5

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attgttggcc gtgcgctgcc ggatgtccga gatggcctga agccggtaca ccgtcgcgta 120
ctatacgcca tgaacgtatt gggcaatgac tggaacaaag cctataaaaa atctgcccgt 180

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gtcgtgggtg acgtcatcgg taaataccac cctcatggtg atactgccgt atacgacacc 240
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tatgacggca cggagaaaat ccctgacgtt atgccgacca aaatcccgaa cctgctagtc 480
aacggttcgt ccggtatcgc ggtaggtagt gcgactaata ttccgccga caacctgacc 540
gaagtgatca acggctgtct ggcctacgtt gaaaacgaag acatcagca 589

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<210> 6

<211> 589

<212> DNA

<213> *Klebsiella pneumoniae*

<400> 6

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ctttacgcc tgaacgtatt gggcaatgac tggaacaaag cctataaaaa atcagcccgt 180
gtcgttgggtg acgtaatcgg taaataccac ccgcacggcg actccgcggt atacgacacc 240
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tttggttcca tcgacggcga ctccgccg gcgatgcgtt ataccgaaat tcgtctggcg 360
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tatgacggta cggagcgtat tccggacgtc atgccgacca aaattcctaa cctgctgggtg 480
aacggcgccct ccgggatcgc cgtagggtat gccaccaaca taccgccaca taacctgacg 540
gaagtgatta acggctgtct ggcgtatgtt gacgatgaag acatcagca 589

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<210> 7

<211> 589

<212> DNA

<213> *Providencia stuartii*

<400> 7

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acaccggtca atatcgaaga agaactcaaa agttcgtatt tggattatgc gatgtccggt 60
attgtcgggg gcgcgcttcc agatgttcga gatggactga agccagtaca ccgcagagta 120
ctgtttgcga tgaatgtatt gggaaatgat tggaataaac cctataaaaa atctgcccg 180
atagtcgggg acgttatcgg taaataccat ccacatggtg atagcgctgt ttatgagaca 240
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tatgatggta cagagcaaat ccctgaagtt atgcctacga aaatccctaa cctattgggt 480
aatggttcgt caggatattg tggtgggtat gcaacgaaca ttctccaca caacctaggg 540
gaagtgatca gcggttcgct tgcttatata gatgatgaag atattagca 589

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<210> 8

<211> 589

<212> DNA

<213> *Serratia marcescens*

<400> 8

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attgtcggac gtgccctgcc agatgttcgt gatggactga agccgggtca ccgccgcgtt 120
ctgtacgcga tgagcgtatt gggtaacgac tggataaac catacaagaa atcggcccggt 180
gtcgtcgggg acgtgatcgg taaatatcac ccgcacggtg acagcgcggt ttacgacact 240
atcgtgcgta tggctcagcc gttttcactg cgctacatgc tgggtggacgg tcagggtaac 300
ttcggttccg tcgacggcga ctccgcggcg gcgatgcgtt ataccgaagt gcgcatgtcc 360
aagattgctc acgaactggt ggcggatctg gaaaaagaaa ccgtcgactt cgtgcctaac 420
tatgatggca ccgagcagat cccggccgtc atgccgacca agatcccga cctgctggtc 480
aacggctcgt cgggcatcgc cgtgggcatg gctaccaata ttccgccgca caacctggcg 540
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<210> 9

<211> 120

<212> DNA

<213> *Escherichia coli*

<400> 9

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gacacgatcg tccgtatggc gcagccattc tcgctgcgtt acatgctggt agacggtcag 120

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<210> 10

<211> 120

<212> DNA

<213> *Citrobacter freundii*

<400> 10

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gcccgtgtcg ttggtgacgt aatcggtaaa taccaccctc atggtgatac cgccgtttac 60
gacaccattg ttcgtatggc gcagccattc tccttgcggt acatgctggt agatggtcag 120

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<210> 11

<211> 120

<212> DNA

<213> *Enterobacter aerogenes*

<400> 11

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gcccgtgtcg ttggcgacgt aatcggtaaa taccaccgc atggtgatac cgccgtttat 60
gacaccatcg tacgtatggc gcagccgttc tccttgcggt atatgctggt cgatggccag 120

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<210> 12

<211> 120

<212> DNA

<213> *Enterobacter cloacae*

<400> 12

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gcccgtgtcg ttggtgacgt aatcggtaaa taccatcccc atggtgattc cgcggtgtac 60
gacaccatcg ttcgtatggc gcagccttcc tcgctgcgtt acatgctggt agatggtcag 120

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<210> 13

<211> 120

<212> DNA

<213> *Klebsiella oxytoca*

<400> 13

gcccgtgtcg tgggtgacgt catcggtaaa taccaccctc atggtgatac tgccgtatac 60
gacaccattg tacgtatggc gcagccattc tcctgcggtt acatgctggt agatggccag 120

<210> 14

<211> 120

<212> DNA

<213> *Klebsiella pneumoniae*

<400> 14

gcccgtgtcg ttgggtgacgt aatcggtaaa taccaccgc acggcgactc cgcggtatac 60
gacaccatcg tgcgtatggc gcagccgttc tcgctgcggtt acatgctggt ggacggccag 120

<210> 15

<211> 120

<212> DNA

<213> *Providencia stuartii*

<400> 15

gcccgtatag tcggggacgt tatcggtaaa taccatccac atggtgatag cgctgtttat 60
gagacaatcg ttcgtcttgc tcagcccttt tctatgcggtt atatgctggt agatggtcag 120

<210> 16

<211> 120

<212> DNA

<213> *Serratia marcescens*

<400> 16

gcccgtgtcg tcggggacgt gatcggtaaa taccaccgc acggtgacag cgcggtttac 60
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<210> 17

<211> 25

<212> DNA

<213> *Escherichia coli*

<400> 17

actttacgcc atgaacgtac taggc

25

<210> 18

<211> 23

<212> DNA

<213> *Citrobacter freundii*

<400> 18
tgggcaacga ctggaataaa gcc 23

<210> 19
<211> 22
<212> DNA
<213> Enterobacter aerogenes

<400> 19
ttatatgctg gtcgatggcc ag 22

<210> 20
<211> 21
<212> DNA
<213> Enterobacter cloacae

<400> 20
gccggacgtc cgcgatggcc t 21

<210> 21
<211> 30
<212> DNA
<213> Klebsiella oxytoca

<400> 21
gtagatggcc agggtaactt tggttcggtc 30

<210> 22
<211> 27
<212> DNA
<213> Klebsiella pneumoniae

<400> 22
gtgcgtatgg cgcagccggt ctcgctg 27

<210> 23
<211> 25
<212> DNA
<213> Providencia stuartii

<400> 23
cgtcttgctc agcctttttc tatgc 25

<210> 24
<211> 20
<212> DNA
<213> Serratia marcescens

<400> 24
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<210> 25
<211> 25
<212> DNA
<213> Escherichia coli

<400> 25
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<210> 26
<211> 25
<212> DNA
<213> Escherichia coli

<400> 26
atggtgactc ggcggtctat gacac 25

<210> 27
<211> 25
<212> DNA
<213> Citrobacter freundii

<400> 27
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<210> 28
<211> 25
<212> DNA
<213> Enterobacter aerogenes

<400> 28
atggtgatac cgccgtttat gacac 25

<210> 29
<211> 25
<212> DNA
<213> Enterobacter cloacae

<400> 29
atggtgattc cgcggtgtac gacac 25

<210> 30
<211> 25
<212> DNA
<213> Klebsiella oxytoca

<400> 30
atggtgatac tgccgtatac gacac

25

<210> 31
<211> 25
<212> DNA
<213> *Klebsiella pneumoniae*

<400> 31
acggcgactc cgcggtatac gacac

25

<210> 32
<211> 25
<212> DNA
<213> *Providencia stuartii*

<400> 32
atggtgatag cgctgtttat gagac

25

<210> 33
<211> 25
<212> DNA
<213> *Serratia marcescens*

<400> 33
acggtgacag cgcggtttac gacac

25

<210> 34
<211> 18
<212> DNA
<213> *Enterobacter* sp.

<400> 34
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18

<210> 35
<211> 18
<212> DNA
<213> *Enterobacter* sp.

<400> 35
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18